

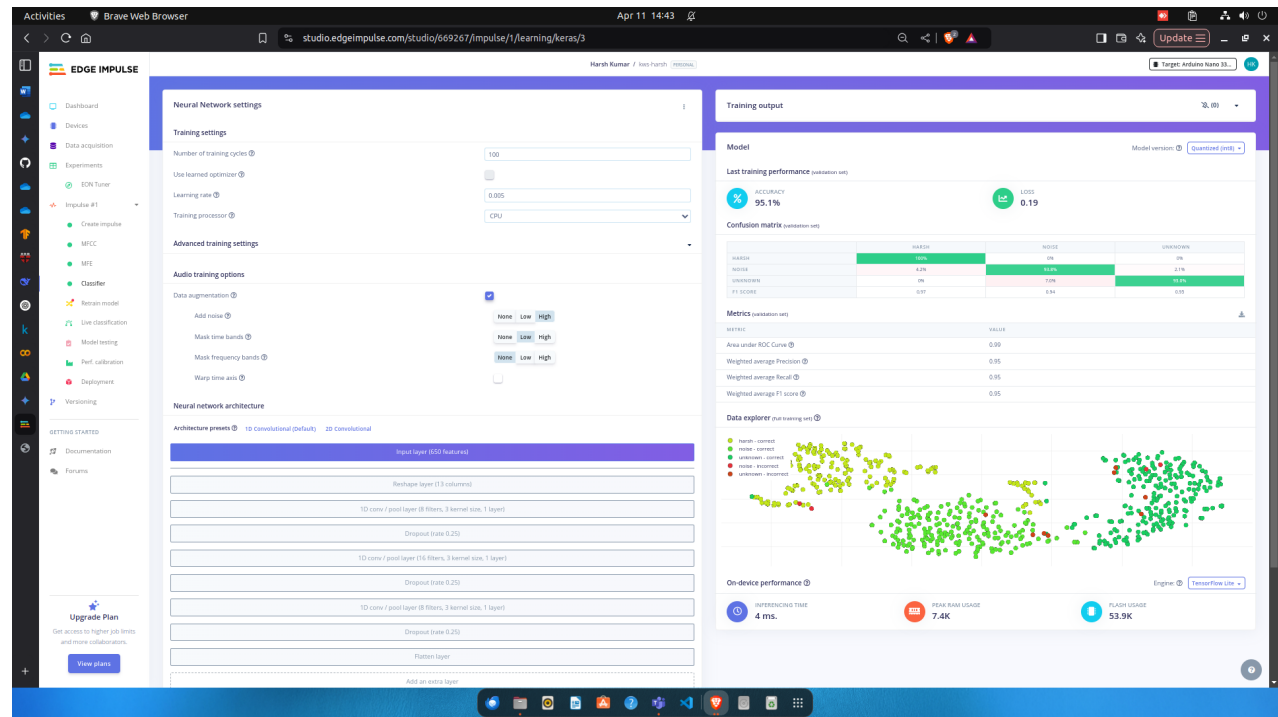
Edge AI Assignment 4

Harsh Kumar, 24576

11 April 2025

1. Q1

Ans: <https://studio.edgeimpulse.com/public/669267/live>



Activities Brave Web Browser Apr 11 14:45 studio.edgeimpulse.com/studio/669267

EDGE IMPULSE

Download block output

TITLE	TYPE	SIZE
MFC training data	NPY file	610 windows
MFC training labels	NPY file	610 windows
MFC testing data	NPY file	157 windows
MFC testing labels	NPY file	157 windows
MTE training data	NPY file	590 windows
MTE training labels	NPY file	590 windows
Classifier model	TensorFlow Lite (flat32)	10 KB
Classifier model	TensorFlow Lite (int8 quantized)	8 KB
Classifier model	TensorFlow SavedModel	15 KB
Classifier model	PyTorch model	8 KB
Classifier model	Model evaluation metrics (JSON file)	-

Performance settings

Use GPU for training ☐

Enterprise performance ☐

Job limit (minutes) 20

Train job memory (MB) 8192

DSP file size limit (MB) 4096

Administrative zone

☐ Use xel instead of INCBN to link TFLite/ONNX files

Save experiments

Danger zone

Collaborators (1/1)

Harsh Kumar

Summary

DEVICES CONNECTED 1

DATA COLLECTED 12m 58s

Project info

Project ID 669267

Labeling method One label per data item

Activities Brave Web Browser Apr 11 14:45 studio.edgeimpulse.com/studio/669267/impulse/1/classification?sampleId=1794813359&modelVariant=int8

EDGE IMPULSE

Start sampling

Classification result

Summary

Name testing_Soefphph

Label testing

CATEGORY	COUNT
harsh	11
noise	6
unknown	0
uncertain	2

Detailed result

TIMESTEP	harsh	noise	unknown
0	0.02	0.96	0
100	1.00	0	0
1,000	0.94	0.03	0.02
1,500	0.08	0.90	0.02
2,000	0.99	0	0
2,500	0.72	0.25	0.03
3,000	0.05	0.94	0
3,500	0.97	0	0.03
4,000	0.65	0.47	0.09
4,500	1.00	0	0
5,000	1.00	0	0

Raw data testing_Soefphph

Raw features

MFCC

Processed features

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